ATTACHMENT II

Activity Metric Disaggregation By Supported Functionality¹

BILLING

Key Measures for the support of billing need not be subject to disaggregation by the product.

Key Measures for Billing Support

Error Correction Interval - Severity 1

Error Correction Interval - Severity > 2

Data Pack Rejects

Speed of Answer by Support Center

Speed of Inquiry Resolution

NETWORK PERFORMANCE

Key Measures ideally should be available by product levels shown in the bold typeface in Attachment I. In addition, data collection and storage of these measures should accommodate display of performance, at the most discrete level specified in Attachment I, should investigation of potential discriminatory behavior become necessary. However, if such a level of detail proves infeasible, at least composite network results should be gathered and retained and, where appropriate, distinction made between voice (analog) services and higher speed data (digital) services

Key Measures for Network Quality Support²
Network Availability
Network Events
Dial Tone Delay³
Call Completion Rate³
Blockage Rate³
Post Dial Delay³
Errored Seconds⁴
Severely Errored Seconds⁴

† Ameritech Illinois (Schedules Attached to Exhibit 8.0) indicates a willingness to supply this measure.

ATTACHMENT II

Activity Metric Disaggregation By Supported Functionality¹

UNBUNDLED NETWORK ELEMENTS⁵

Product disaggregation is not relevant to Key Measures for the support of Unbundled Network Elements. Measures related to access to OSS functionality are outlined within Attachment III.

Key Measures for Unbundled Network Element Support

Accuracy of Routing (e.g., to CLEC Operator Services, CLEC

Directory Service or VoiceMail Platforms)

† **Availability** (e.g., collocation denied, loop element unavailable, Signaling A or D link down)

Query Cycle Time (e.g., to SCPs, LIDB)

Update Cycle Time (e.g., time to establish CLEC record in

Ameritech databases)

Speed of Answer by Support Center

Speed of Response to Inquiries

† Speed of Operator Answer*

Speed of Directory Assistance Answer^a

Notes:

- 1. Measurement of metrics must support statistically valid comparisons to demonstrate that the CLEC performance is not worse than that experienced by Ameritech Illinois. Items in bold should be reported on an regular basis.
- 2. Additional transmission quality measures relating to voice services such as noise, attenuation distortion, loss, balance, signal-to-noise, cross talk, circuit notch noise would also be desirable.
- 3. Voice/analog service measures
- 4. Digital service measures
- 5. Due to a lack of experience with the processes to obtain and support UNEs, the following measures must be consider "preliminary" and likely to require ongoing review and adjustment.
- 6. These metrics should be specific to the instances where Ameritech Illinois is provides the OS/DA where the CLEC is not reselling retail services of Ameritech Illinois.
- † Ameritech Illinois (Schedules Attached to Exhibit 8.0) indicates a willingness to supply this measure.

Attachment III

OUTLINE OF OSS INTERFACES MEASUREMENTS¹

The following material identifies measures relevant to the measurements at the operational support systems interfaces provided by Ameritech Illinois. Because AT&T has yet to complete end-to-end testing, AT&T is not in a position to fully assess the technical feasibility of capturing each of these measures. Nevertheless, the measures represent a reasonable starting point for determining nondiscriminatory access as they address timeliness, availability and accuracy. Each of these measures must attain performance levels not less than that experienced by Ameritech Illinois for access to the same OSS functionality.

PREORDERING TRANSACTION-BASED INTERFACE MEASURES

Interface Availability during business hours
Interface Availability outside business hours
Successful Query - Response Interval³
Query Failure Rates³
Speed of Answer by Support Center
Speed of Inquiry Closure

Attachment III

OUTLINE OF OSS INTERFACES MEASUREMENTS¹

ORDERING AND PROVISIONING TRANSACTION-BASED INTERFACE MEASURES

Interface Availability during business hours

Interface Availability outside business hours

Firm Order Confirmation Interval

Order Reject Rate

Supplement Reject Rate

Speed of Answer by Support Center

Speed of Inquiry Closure

BATCH INTERFACES (PREORDERING, ORDERING, RECORDED USAGE, SERVICES RESALE INVOICING. UNE INVOICING)

Interval Between File Transfer Failures

Record Error Rate (% records failing to meet format standards)

Record Delivery Failure Rate (% records delivered after agreed interval)

Speed of Answer by Support Center

Speed of Inquiry Closure

Notes:

- 1. Measurement of metrics must support statistically valid comparisons to demonstrate that the CLEC performance is not worse than that experienced by Ameritech Illinois.
- 2. These measurements must be capable of being disaggregated by the primary preordering requests: Appointment Scheduling, Service Availability, Availability of \leq 5 Telephone Numbers, Availability of > 5 Telephone Numbers, Availability of a Vanity Number(s), Supply of Customer Service Record(s).

SERVICE LIST CASE NO. U-11104

AT&T Communications, Inc. Joan Marsh Cheryl Urbanski 227 W. Monroe - 13th Floor Chicago, IL 60606

Continental Cable Vision
Timothy P. Collins
26500 Northwestern Highway - Suite 203
Southfield, MI 48076

Fischer, Franklin & Ford George Hogg, Jr. 3500 Guardian Building Detroit, MI 48226-3801 Foster, Swift, Collins & Smith, PC Mark J. Burzych 313 S. Washington Square Lansing, MI 48933

- And the state of the state of

Fraser Trebilcock Davis & Foster, PC David Marvin Michael Ashton 1000 Michigan National Tower Lansing, MI 48933

Hogan & Hartson Linda Oliver 555 13th Street, NW Washington, DC 20004

Clark Hill P.L.C. Roderick Coy Stewart Binke 200 N. Capitol Avenue - Suite 600 Lansing, MI 48933

Michigan Consumer Federation Richard D. Gamber, Jr. 115 West Allegan - Suite 500 Lansing, MI 48933

SERVICE LIST CASE NO. U-11104

Teleport Communications Group Douglas Trabaris 233 S. Wacker Drive - Suite 200 Chicago, IL 60606 Sprint Communications Company LP Richard Kowalewski 8140 Ward Parkway, 5-E Kansas City, MO 64114

Norman Witte 115 W. Allegan Avenue - 10th Floor Lansing, MH 48933-1712 US Department of Justice, Anti-trust Division Katherine E. Brown 555 4th Street, NW Washington, DC 20001

Dykema Gossett Albert Ernst 860 Michigan National Tower Lansing, MI 48933 Federal Communications Commission Gayle Teicher Policy Division - Common Carrier Bureau 1919 M Street, NW - Room 544 Washington, DC 20554

Craig Anderson Michael Holmes 444 Michigan Avenue - Room 1750 Detroit, MI 48226 Loomis, Ewert, Parsley, Davis & Gotting, P.C Harvey Messing Sherri A. Wellman 232 S. Capitol Avenue - Suite 1000 Lansing, MI 48933

SERVICE LIST CASE NO. U-11104

Orjiakor N. Isiogu Assistant Attorney General Special Litigation Division 630 Law Building Lansing, MI 48909

Brooks Fiber Communications Todd J. Stein 2855 Oak Industrial Drive, NE Grand Rapids, MI 49506-1277

Telecommunications Resellers Association Andrew O. Isar 4312 92nd-Avenue, NW Gig Harbor, WA 98335 BRE Communications, Inc. Richard C. Gould 4565 Wilson Avenue Grandville, MI 49418

Fild 1/8/97

STATE OF ILLINOIS ILLINOIS COMMERCE COMMISSION

sextinory

Illinois Commerce Commission)	
On Its Own Motion)	
)	
Investigation Concerning Illinois)	No. 96-0404
Bell Telephone Company's)	
Compliance with Section 271(c) of)	
the Telecommunications Act of 1996)	

SUPPLEMENTAL TESTIMONY

OF

C. MICHAEL PFAU

ON BEHALF OF

AT&T COMMUNICATIONS OF ILLINOIS, INC.

AT&T EXHIBIT 3.1

1	Q.	PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
2	A.	My name is C. Michael Pfau. My business address is AT&T Corp., 295 North
3		Maple Avenue, Basking Ridge, New Jersey 07920.
4		
5	Q.	ARE YOU THE SAME C. MICHAEL PFAU WHO PREVIOUSLY SUBMITTED
6		DIRECT TESTIMONY IN THIS PROCEEDING?
7	A.	Yes, I am.
8		
9	Q.	WHAT IS THE PURPOSE OF YOUR SUPPLEMENTAL TESTIMONY?
10	A.	I will respond to the supplemental rebuttal testimony of Ameritech Illinois that
11		their operational interfaces are in a state of readiness to deliver
12		nondiscriminatory access to their operations support systems ("OSS"). I will
13		also address the additional testimony of Ameritech that outlined proposed
14		measurements and represented that those measures would be adequate for
15		determining whether nondiscriminatory access existed for services resale or for
16		unbundled network elements.
17		
18	Q.	DOES AMERITECH ILLINOIS CONTEND THAT ITS OPERATIONS SUPPORT
19		SYSTEMS INTERFACES ARE OPERATIONAL?
20	A.	Yes, both Mr. Rogers (Ex 9.0, p. 4) and Mr. Mickens (Ex. 8.0, p. 23) claim
21		that, with some "minor exceptions," their operations support systems interface
22		are operational.
23		
24	a.	DO YOU AGREE THAT AMERITECH'S OPERATIONS SUPPORT SYSTEMS
25		INTERFACES ARE OPERATIONAL?

Α. No. For something to be operational, it must be capable of being used. Despite 1 the claims that its interfaces are operational, Ameritech admits that no CLEC is 2 3 using the offered ordering and maintenance interface for transacting business (Ex. 9.0, pp. 10,12). Even in the most recent filing by Mr. Rogers, he states 4 5 that Ameritech's proposed interfaces for a number of pre-ordering functions, 6 including access to customer service records, access to telephone number 7 selection and assignment, due date selection and access to information 8 regarding changes in service order status, are still "under development" and are 9 only "scheduled for commercial deployment" in December 1996 (Ex. 9.0, pp. 5, 10 15, 26). Mr. Rogers also states that the interfaces required for the provisioning 11 of resold service is still not complete (Ex. 9.0, p. 11). Even if Ameritech Illinois 12 announces that it has successfully deployed these electronic interfaces for 13 access to these operations support systems, their operability, and particularly 14 their ability to operate in a nondiscriminatory manner, has not been 15 demonstrated. For the reasons I will describe later, Ameritech Illinois does not 16 have a measurement plan adequate to demonstrate the delivery of 17 nondiscriminatory access to its operations support systems, and there is 18 certainly no evidence that the OSS access promised by Ameritech will in fact be 19 nondiscriminatory in the marketplace.

20

21

22

- Q. IS THE LACK OF A SUFFICIENT MEASUREMENT PLAN THE ONLY ASPECT
 THAT CAUSES YOU TO CONCLUDE THAT THE OPERATIONAL SUPPORT
 SYSTEMS ACCESS IS NOT FULLY OPERATIONAL?
- A. No. Although Ameritech states that its interfaces are, or will be, operational, and many of its interfaces seem technically capable of transmitting and receiving bits and bytes in a particular format and syntax, I am not at all confident that

nondiscriminatory access to OSS functionality will exist, or that CLECs will be able to fully utilize such functionality. AT&T is the only CLEC Ameritech Illinois identifies as having engaged in any form of testing of the operational support systems access (Ex. 9.0, p. 15) and the experience of AT&T cannot be relied upon as a demonstration that nondiscriminatory access to OSS functionality is a reality. Ameritech must provide nondiscriminatory access to its operations support systems functionality, and that nondiscriminatory access necessarily includes an obligation to permit the use of the functionality.

A.

Q. CAN YOU PROVIDE AN EXAMPLE WHERE AMERITECH ILLINOIS' INTERFACE IS CATEGORIZED AS OPERATIONAL, BUT THE OSS FUNCTIONALITY IS NOT COMPLETELY ACCESSIBLE?

Yes, I alluded to such a situation in my prior testimony. Ameritech Illinois accepts the transmission of supplemental orders over its EDI interface, an interface that they claim is operational (Ex. 8.0, p. 6). AT&T cannot efficiently send supplemental orders to Ameritech Illinois even though the supplements issued by AT&T comply with the EDI national standards for ordering, a standard with which Ameritech claims to be consistent (Ex. 8.0, p. 9). Ameritech claims that the problem lies with AT&T because "Ameritech Illinois' use of the EDI 860 transaction is consistent with its use in other industries" (Ex. 8.0, p. 10). I cannot attest to the use of the 860 transaction in other industries, but within the telecommunications industry it is AT&T's experience that NYNEX, BellSouth, US WEST, Southwestern Bell, Bell Atlantic, SNET, GTE, and Sprint have all accepted the treatment of the 860 transaction which AT&T requested of Ameritech Illinois. The result of Ameritech Illinois' position, from the viewpoint of AT&T, is that the ordering interface is not yet fully operational and

that nondiscriminatory access to that OSS functionality is not being delivered by Ameritech. More importantly, Ameritech's refusal to accept a complete refresh of the original order from AT&T has caused it to delay full scale market entry in Illinois by 6 months and AT&T will incur an estimated \$1.3 million additional expense associated with its system development. Until AT&T has fully tested all interfaces, or until other CLECs have engaged in comprehensive intercompany testing to assure promised functionality is actually accessible, then Ameritech Illinois should not be considered to have met its burden of proof that it can and does provide nondiscriminatory access to it OSS functionality.

14-

Α.

Q. WHAT IS REQUIRED IN ORDER TO DEMONSTRATE THAT NONDISCRIMINATORY ACCESS IS AVAILABLE AND BEING DELIVERED TO POTENTIAL COMPETITIVE LOCAL EXCHANGE COMPANIES?

Ameritech Illinois must show, through measured performance experience of a meaningful set of CLECs, that nondiscriminatory access is being delivered for all operations support systems related to pre-ordering, ordering, provisioning, maintenance and repair, and all aspects of billing. The FCC specifically encouraged state commissions to adopt reporting requirements related to assurance of nondiscriminatory access. (¶ 311). This area of reporting and verification of nondiscriminatory access will be an area where the Illinois Commission can provide national leadership as it has done in the past in other areas related to cost based pricing and interconnection.

Without a doubt, appropriately defined and sufficiently robust sets of measurements are crucial to demonstrating that nondiscriminatory access to each OSS functionality is indeed actually being delivered and that such

nondiscriminatory access continues to be delivered on an on-going basis. Lack of a mechanism to monitor and, if necessary, ensure prompt re-establishment of nondiscriminatory access to OSS functionality will have a chilling effect on the emergence of meaningful competition in the provision of telephone exchange services. Nondiscriminatory access to OSS functionality, and to unbundled network elements ("UNEs") in general, cannot merely be promised; it must be shown to exist across-the-board and it must be monitored going forward to assure it continues to be provided.

14 -

A.

Q. HOW CAN THE DELIVERY OF NONDISCRIMINATORY ACCESS TO OSS FUNCTIONALITY BE VERIFIED AND MONITORED?.

As Ameritech suggests, a measurement plan is needed both to accomplish the initial validation and to provide on-going monitoring. An acceptable measurement plan must embody at least four characteristics: (1) the plan must support statistically valid comparisons of CLEC experience to the experience of Ameritech's local service operations; (2) the plan must account for potential performance variations due to differences in service and activity mix; (3) the plan must monitor performance not only at the service level, but at the interface level as well; and (4) the plan must be implemented and be producing results which demonstrate that nondiscriminatory access to OSS functionality is, indeed, being delivered across all interfaces and a broad range of resold services and unbundled network elements. Although Ameritech has made some constructive proposals for a conceptual measurement plan, more work is necessary.

ı	Q.	YOU SAY STATISTICALLY VALID COMPARISONS ARE REQUIRED. WHAT
2		ADDITIONAL WORK OR CLARIFICATION IS REQUIRED WITH RESPECT TO
3		SUPPORTING STATISTICALLY VALID COMPARISONS OF PERFORMANCE?
4	A.	As a first step, Ameritech should demonstrate that the measurement plan will
5		gather and retain data in a manner that permits meaningful tests for statistically
6		significant differences in performance. The measurement plan should permit
7		each measure, if so desired, to be tested and a determination made, at a
8		generally acceptable and agreed upon levels of statistical significance, that the
9		CLEC results are no worse than that experienced by Ameritech Illinois' own
10		retail local service operations or those of any of its affiliates. The statistical test
11		which determines a "no worse than" (rather than a test that only states you
12		cannot conclude a difference exits) is important so that Ameritech Illinois can
13		positively demonstrate the absence of discriminatory access to OSS
14		functionality.
15		
16		The ability to test performance and determine the absence of discrimination is
17		probably the single most important purpose of the measurement plan.
18		Unfortunately, Ameritech has offered no testimony regarding the statistical
19		tests, if any, that it plans to employ to demonstrate that absence of
20		discrimination.
21		
22	a.	WHY DO YOU SAY THAT ACCOUNTING FOR SERVICE MIX DIFFERENCES IS
23		IMPORTANT IN CONSTRUCTION OF THE MEASUREMENT PLAN?
24	A.	When generalized measures are utilized, care must be taken to assure that they
25		are sufficiently discrete to permit meaningful comparisons to be made. When I
26		say discrete, I mean that it must be possible to group and compare performance

1

2

6

measures along dimensions that reflect common attributes likely to be correlated
with expected differences in performance. For example, installation intervals for
complex business orders are likely to be substantially longer than the installation
interval for single line residence basic local service. Therefore, a due date
performance measure that combines the business and residence categories into
a single reported result could be misleading. The example below illustrates this
point:

	installation interval (days)	% orders	wtd component (days)
Company 1			
res single line basic local service	4	15%	0.60
complex bus	15	85%	12.75
average installation interva	ni .		13.35
Company 2			
res single line basic local service	7	60%	4.20
complex bus	20	40%	8.00
average installation interva	ai		12.20
•			

.6

all services is compared, one would falsely conclude that Company 2's performance was superior to that of Company 1. In reality, however, Company 2 has worse performance for both categories of service. The difference in the average result is due to the differing product mix. It is safe to assume, at least early in the development of competition, that CLECs and Ameritech Illinois will have significantly differing product mixes. Thus, every effort should be made to disaggregate product level measures so that meaningful comparisons can be made.

As can be seen from this preceding example, if only the average result across

AT&T proposes that the level of product detail outlined in Attachment I of my testimony should be established as the minimally acceptable level of product disaggregation for the Ameritech Illinois measurement plan. In addition, because new products will likely be introduced and others will

1		decline and be withdrawn, the product detail should be periodically reviewed,
2		probably annually, to assure that measures reported are meaningful.
3		Reporting of measures at a lesser level of product detail would be acceptable
4		provided that the underlying data is maintained at a very granular service
5		detail and, upon request and subject to the appropriate proprietary
6		protection, a CLEC could sponsor an independent audit of metrics at the very
7		discrete service level detail.
8		
9	۵.	HAS THE PROPOSED PLAN OF AMERITECH ILLINOIS ADDRESSED THIS
10		ISSUE OF PRODUCT MIX VARIATION?
11	A.	It is difficult to determine from the limited data supplied. The prototype
12		reports reflect only a very limited level of product disaggregation POTS,
13		subrate, and high capacity services. Certainly these levels of product detail
14		are still too aggregated Due to the lack of detail in the filed information, I
15		can only assume that Ameritech attempted to partially address the impacts
16		of product mix that I discussed earlier by comparing the metric to a "target"
17		or an "agreed upon" level. Such an approach may be workable for internal
18		purposes of a single company. When comparisons between companies mus
19		be made for the purposes of determining nondiscrimination, however, that
20		approach is inadequate.
21		
22	Q.	WILL YOU EXPLAIN WHY SUCH MEASURES ARE INADEQUATE?
23	A.	The comparison of CLEC performance to a target is useless, for purposes of
24		determining nondiscrimination, unless both the CLEC and ILEC performance
25		are reported in comparison to the same target level. Even making a

comparison of both CLEC performance and Ameritech's performance to an

identical target level and then reporting only the percentage not meeting the target provides very little information of value for purposes of determining nondiscrimination. Such comparisons may even be misleading, unless the entities being compared have identical, or at least very similar, deviations in their experiences. The following example demonstrates this point, again using illustrative data:

Order #	Installation Performance by Order (days) Company 1	Company 2
1	3	3
2	4	3
3	4	3
4	5	10
5	5	10
6	5	10
7	5	10
8	3	3
9	3	3
10	3	3
average	4	5.8
target	3	3
% exceeding target	60%	40%

In this preceding example, use of the "% exceeding target" figure would falsely lead an observer to the conclusion that Company 2 is achieving substantially better performance (in the case of this example, exceeding target is poorer performance). In fact, the performance for Company 2 when it is poor, is much, much worse than Company 1 and is never better than the best performance of Company 1. The wide variation in performance causes

1		this situation and is the Achilles Heel of the use of "% exceeding target"
2		measurement.
3		
4	Q.	DOES THIS EXAMPLE REFLECT A SITUATION THAT IS ACTUALLY LIKELY
5		TO OCCUR?
6	A.	Yes. It is reasonable to expect that the experience of CLECs will be much more
7		variable, because of the newness of the support mechanisms, than that of
8		Ameritech Illinois. Therefore, measures similar to "% exceeding target" and "%
9		exceeding agreed upon intervals" should be avoided in favor of actual measures
10		of performance that are appropriately discrete and that include the actual mean
11		performance along with a statistical measure of variation around the resulting
12		mean for the measure
13		
14	Q.	WHY DO YOU SAY THAT ACTIVITY MIX MUST BE ACCOUNTED FOR WITHIN
15		AMERITECH ILLINOIS' MEASUREMENT PLAN?
16	A.	The activity mix consideration is similar, in many respects, to the service mix
17		issue. Many types of activities may be involved within the process of
18		successfully completing a single business task. As a simple example, service
19		repair may in some cases involve a premises visit, while in other cases remotely
20		managed restoration is possible. Whether or not a premises visit is required wil
21		impact upon the expected (and actual) restoration interval, regardless of the
22		service being supported. The example below, illustrates how the frequency wit
23		which a premises visit occurs influences an aggregated measure for the
24		restoration interval:
25		

	restoratio interval (hours)	% tickets	wtd component (hours)
Company 1			
premises visits required	8	40%	3.20
no premises visit	3	60%	1.80
average restoration interval			5.00
Company 2			
premises visits required	8	60%	4.80
no premises visit	3	40%	1.20
average restoration interval			6.00

-6

As this preceding illustration demonstrates, even where two companies are experiencing the same performance at the activity level, the average performance can look very different due to variations in the mix of key activities. For this reason, Ameritech Illinois should provide disaggregated performance measures when differences in the underlying mix of activities could reasonably be expected to influence the aggregate measures. Areas where this can be expected to occur are outlined in Attachment II to this testimony. With the exception of billing and network related activity measures, which Ameritech Illinois does not address at all, the "key measures" shown on Attachment II tend to be in fairly close alignment with those proposed by Ameritech Illinois. Ameritech Illinois does not discuss whether or not additional data required to disaggregate those key measures according to dimensions shown in Attachment II will be captured and stored so that meaningful comparisons of results can be made.

i	a.	DOES THE SAME PROBLEM OF USING "% EXCEEDING TARGET" AND
2		SIMILAR MEASURES, WHICH YOU DISCUSSED FOR SERVICE MIX, ALSO
3		APPLY TO THE ACTIVITY MIX?
4	Α.	Yes, it does. Again, actual measures of the mean performance are
5		preferable, combined with an appropriate measure of statistical variation,
6		such as a 95% confidence interval for the mean of the measurement
7		reported.
8		
9	a.	WHY DO YOU SAY THAT MEASURES MUST BE ESTABLISHED AT THE
10		UNBUNDLED NETWORK ELEMENT LEVEL AS WELL AS AT THE SERVICE
11		LEVEL?
12	Α.	As the FCC stated in its Order of August 8, 1996 (¶ 525) delivery of
13		nondiscriminatory OSS access is a requirement not only for services resale
14		but also for unbundled network elements. As I mentioned earlier in my
15		testimony, the FCC is looking to the state commissions to establish
16		measurements which demonstrate that nondiscriminatory access is and
17		continues to be delivered (¶ 311). Service level measures, if properly
18	,	defined, may help detect discriminatory behavior relating to the support of
19		services resale and, to a lesser extent, the use of unbundled network
20		elements in combination. However, detecting discriminatory conditions and
21		assuring the absence of discrimination at the network element level requires
22		more focused measures. These measurements will typically be very limited
23		in scope and will not be service oriented but rather will be oriented to access
24		delivered to specific unbundled network elements, such as access to OSS

25

functionality.

1	Q.	ARE THE MEASURES PROPOSED BY AMERITECH FOR OPERATIONS
2		SUPPORT SYSTEMS ADEQUATE TO DETERMINE WHETHER
3		NONDISCRIMINATORY ACCESS IS BEING PROVIDED TO COMPETITORS?
4	Α.	No. Ameritech has provided very little detail regarding its proposed
5		performance measures for access to operations support systems. Only three
6		measures are listed for the OSS unbundled element platform availability,
7		transaction accuracy, and business function completion window and only a
8		generic heading of operational support systems is shown. While the
9		proposed measures sound like they address the tests that I proposed for
10		nondiscriminatory access in my earlier direct testimony equivalent
11		availability, accuracy and timeliness the descriptive material that Ameritech
12		has placed in the record is far too limited to draw any conclusions regarding
13		the effectiveness of the proposed measures.
14		- -
15	Q.	WHAT ARE SOME OF THOSE INADEQUACIES?
16	Α.	First, it is not clear that Ameritech intends to monitor and report results for
17		each interface. As Mr. Mickens notes in his testimony, there are no less
18		than nine different interfaces [Ex. 8.0, p. 6]. Each supports a very different
19		but critical process. It makes no sense to allow Ameritech to construct a se
20		of measures where good availability performance on the part of, for example
21		a billing interface could mask the very poor performance on the part of
22		another interface, such as maintenance and repair.
23		
24		Perhaps Ameritech Illinois intends to provide reported measurement for each
25		of the nine interfaces. However, I cannot draw conclusion that such a

commitment exists based on the testimony that has been offered to date.

For example, in defining the calculation for platform availability, the reference is to interfaces which indicates to me an intent to combine all interfaces into a single reported measure [Ex. 8.0, Schedule 5, Section 3, p. 1]. The Commission should assure itself that Ameritech Illinois will provide separately reported comparative measures for each of the nine interfaces that Mr. Mickens identified -- pre-ordering transactional interface (EDI), pre-ordering batch interface (file transfer), ordering transactional interface (EDI), ordering batch interface (ASR), provisioning, maintenance and repair, usage billing information (EMR), services resale billing information (AEBS), and UNE billing information (CABS).

Α.

Q. ARE THERE OTHER ASPECTS OF THE PROPOSED OPERATIONS SUPPORT SYSTEMS MEASURES THAT MUST BE ADDRESSED?

Yes. Beyond measuring and reporting results for each interface, all the measures need to be better defined and further refined. While I can understand Ameritech Illinois' desire to quickly move through these proceedings, the establishment of a meaningful measurement plan is an obligation that falls upon this Commission and such a measurement plan is to critical safeguarding the development of competition. The measures ultimately adopted by this Commission will represent the only on-going means to promptly assess whether the requirement of nondiscriminatory access is being met. It would be imprudent to simply accept, on faith, Ameritech Illinois' unilateral proposal of such key measures and their definition.

_	_	A SALVAN AND COME EVANDIES IN LISTRATING MILLAT ANIST BE
1	Q.	CAN YOU GIVE SOME EXAMPLES ILLUSTRATING WHAT MUST BE
2		ADDRESSED WITH RESPECT TO THE PLATFORM AVAILABILITY
3		MEASURE?
4	A.	First, the definition must be revised. The proposed platform availability
5		measurement is calculated by dividing the "time the OSS interfaces are not
6		available by the total time available" [Ex. 8.0, Schedule 5, Section 3, p. 1].
7		assume that the definition of "available" is that the interface under
8		consideration is incapable of processing transactions. Ameritech Illinois did
9		not provide that critical definition. Given that understanding, the platform
10		availability measure needs to be modified to reflect at least a differentiation
11		of business hours (e.g., 8:00AM to 5:00PM) versus non-business hours
12		performance. For example, if the preordering interface is unavailable for
13		three hours between 8:00 AM and 5:00 PM on a business day, that would
14		have much greater competitive market impact (i.e., customer dissatisfaction)
15		than if the same interface were to be unavailable for the same amount of
16		time from 2:00AM to 6:00AM on a Sunday. Ameritech should state
17		availability measures separately for "within normal business hours" and
18		"outside normal business hours" for each interface in order to address the
19		situation I just described.
20		
21		In addition, while a comparison to Ameritech Illinois' own experience is
22		proposed, it is not at all clear how this will be accomplished for the platform
23		availability. It is not my understanding that Ameritech Illinois retail exchang
24		service agents or processes will use any interface in common with the CLEC
25		Ameritech, therefore, needs to clarify how the availability measure will be